

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claims 1-15 (canceled)

Claim 16 (currently amended): A biochip reader ~~that irradiates excitation light from~~  
comprising:

a plurality of microlenses;

a light source irradiating an excitation light to a plurality of cells of ~~[[the]]~~ a biochip  
respectively via ~~[[a]]~~ said plurality of microlenses; and ~~reads~~

a detector reading fluorescence image information from genes ~~to which~~ attached with  
fluorescent substances ~~are stuck and which are~~ poured into ~~[[a]]~~ said plurality of cells, ~~with a~~  
~~detector; wherein said detector is composed of~~ having detector elements ~~having a characteristic~~  
in which output values are logarithmic to input values.